

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/004413

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched .

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DELAUSSUS S ET AL: "PCR-based analysis of the murine immunoglobulin heavy-chain repertoire" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 184, no. 2, 18 August 1995 (1995-08-18), pages 219-229, XP004020989 ISSN: 0022-1759	1, 2, 4, 24
Y	the whole document ----- -/-	3, 5-23, 26-54

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

25 April 2005

Date of mailing of the international search report

10/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5618 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Botz, J

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FEUCHTENBERGER M ET AL: "Semiquantitative and qualitative assessment of B-lymphocyte VH repertoire by a fluorescent multiplex PCR" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V.,AMSTERDAM, NL, vol. 276, no. 1-2, 1 May 2003 (2003-05-01), pages 121-127, XP004422646 ISSN: 0022-1759	1,2,4,24
Y	the whole document	3,5-23, 26-54
Y	LIM A ET AL: "Combination of MHC-peptide multimer-based T cell sorting with the Immunoscope permits sensitive ex vivo quantitation and follow-up of human CD8<+> T cell immune responses" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V.,AMSTERDAM, NL, vol. 261, no. 1-2, 1 March 2002 (2002-03-01), pages 177-194, XP004341278 ISSN: 0022-1759	1-54
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Y	COLLETTE A ET AL: "New methods and software tools for high throughput CDR3 spectratyping. Application to T lymphocyte repertoire modifications during experimental malaria" JOURNAL OF IMMUNOLOGICAL METHODS, ELSEVIER SCIENCE PUBLISHERS B.V.,AMSTERDAM, NL, vol. 278, no. 1-2, July 2003 (2003-07), pages 105-116, XP004453168 ISSN: 0022-1759	1-54
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Y	ARSTILA T PETTERI ET AL: "A direct estimate of the human alphabeta T cell receptor diversity" SCIENCE (WASHINGTON D C), vol. 286, no. 5441, 29 October 1999 (1999-10-29), pages 958-961, XP001191021 ISSN: 0036-8075 cited in the application the whole document	1-54
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Y	DATABASE EBI EMBL; Sequence 18 from W00175091 29 October 2001 (2001-10-29), OHLIN, M. ET AL.: XP002281110 retrieved from EMBL accession no. AX268901 Database accession no. AX268901 the whole document & WO 01/75091 A (BIOINVENT INTERNAT AB ; CARLSSON ROLAND (SE); OHLIN MATS (SE); SODERLI) 11 October 2001 (2001-10-11)	1-54

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Y	<p>DATABASE EBI EMBL; Sequence 350 from US6300129 16 September 2003 (2003-09-16), LONBERG N. ET AL.: XP002281113 retrieved from EMBL accession no. AR370100 Database accession no. AR370100 the whole document</p>	1-54
Y	<p>DATABASE EBI EMBL; Sequence 2 from US2002168397 11 April 2003 (2003-04-11), TSUJI, K. ET AL.: XP002281114 retrieved from EMBL accession no. AR264699 Database accession no. AR264699 the whole document</p>	1-54
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Y	<p>DATABASE EBI EMBL; Sequence 10 from W00213862 9 August 2002 (2002-08-09), GOLD, D.P. ET AL.: XP002281116 retrieved from EMBL accession no. AX473360 Database accession no. AX473360 the whole document</p>	1-54

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Y	<p>& WO 02/13862 A (GOLD DANIEL P ; FAVRILLE INC (US); SHOPES ROBERT J (US)) 21 February 2002 (2002-02-21)</p> <p>-----</p> <p>DATABASE EBI EMBL; Sequence 36 from W09915696 26 January 2000 (2000-01-26), QIN, Y.: XP002281117 retrieved from EMBL accession no. A97536 Database accession no. A97536 the whole document & WO 99/15696 A (QIN YUFEN) 1 April 1999 (1999-04-01)</p> <p>-----</p>	1-54
Y	<p>DATABASE EBI EMBL; JH reporter probe from W09219775 24 November 1994 (1994-11-24), XP002281118 retrieved from EMBL accession no. A22452 Database accession no. A22452 the whole document & WO 92/19775 A (RAGGIO ITALGENE SPA) 12 November 1992 (1992-11-12)</p> <p>-----</p>	1-54
Y	<p>DATABASE EMBL 'Online! 21 December 2002 (2002-12-21), "Sequence 36 from patent US 6476198." XP002325887 retrieved from EBI accession no. EM_PRO:AR243947 Database accession no. AR243947 the whole document & US 6 476 198 B1 (KANG ANGRAY SINGH) 5 November 2002 (2002-11-05) the whole document</p> <p>-----</p>	1-54
Y	<p>DATABASE EMBL 'Online! 13 August 2003 (2003-08-13), "Novel Fab fragment libraries and method of using the same." XP002325888 retrieved from EBI accession no. EM_PAT:BD271410 Database accession no. BD271410 the whole document & EP 1 054 018 A (TARGET QUEST B.V) 22 November 2000 (2000-11-22)</p> <p>-----</p> <p style="text-align: center;">-/--</p>	1-54

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Y	<p>DATABASE EMBL 'Online! 25 November 2003 (2003-11-25), "Sequence 121 from Patent W003059951." XP002325889 retrieved from EBI accession no. EM_PAT:AX805724 Database accession no. AX805724 the whole document</p>	1-54
Y	<p>DATABASE EMBL 'Online! 9 August 1999 (1999-08-09), "PCR primer for human immunoglobulin C alpha gene." XP002325890 retrieved from EBI accession no. EM_PAT:E16974 Database accession no. E16974 the whole document</p>	1-54
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